

GOVERNMENT OF INDIA
MINISTRY OF AGRICULTURE AND FARMERS WELFARE
DEPARTMENT OF AGRICULTURE, COOPERATION AND FARMERS WELFARE

LOK SABHA
UNSTARRED QUESTION NO.2752
TO BE ANSWERED ON THE 2ND AUGUST, 2016

FARM MACHINERY TRAINING AND TESTING INSTITUTES

2752. SHRI BIDYUT BARAN MAHATO:
SHRI T. RADHAKRISHNAN:
SHRI GAJANAN KIRTIKAR:
DR. SUNIL BALIRAM GAIKWAD:
SHRI PONGULETI SRINIVASA REDDY:
SHRI KONAKALLA NARAYANA RAO:
SHRI SUDHEER GUPTA:
KUNWAR HARIBANSH SINGH:
SHRI S.R. VIJAYAKUMAR:
SHRIMATI VASANTHI M.:
DR. K. KAMARAJ:
PROF. RAVINDRA VISHWANATH GAIKWAD:

Will the Minister of AGRICULTURE AND FARMERS WELFARE $\ddot{\text{a}}\ddot{\text{o}}\ddot{\text{S}}\ddot{\text{a}}\ddot{\text{a}}\ddot{\text{O}}\ddot{\text{a}}$ एवं किसान कल्याण $\frac{1}{2}\ddot{\text{a}}\ddot{\text{a}}\ddot{\text{a}}\ddot{\text{e}}$
be pleased to state:

- whether the Government has established a number of Farm Machinery Training and Testing Institutes in the country and if so, the details thereof, State/UT-wise;
- whether the Government has received requests from different States for establishment of such Institutes in their States and if so, the details thereof and the time by which these requests are likely to be considered;
- whether the Government has developed several new farm techniques and employs them for diversification of agricultural crops and to boost farm production during the last three years and the current year and if so, the details thereof along with the schemes/programmes under which the latest indigenous and imported agricultural tools and equipment are being provided to the farmers;
- the details of awareness campaign launched to educate the farmers through the electronic and the print media on the latest scientific farm methods in the country along with the funds allocated and utilized and the number of farmers benefited thereunder during the said period; and
- the steps taken/being taken by the Government to ensure that the appropriate farm technology reaches the farmers?

ANSWER

MINISTER OF STATE IN THE MINISTRY OF AGRICULTURE AND FARMERS WELFARE

$\ddot{\text{a}}\ddot{\text{o}}\ddot{\text{S}}\ddot{\text{a}}\ddot{\text{a}}\ddot{\text{O}}\ddot{\text{a}}$ एवं किसान कल्याण $\frac{1}{2}\ddot{\text{a}}\ddot{\text{a}}\ddot{\text{a}}\ddot{\text{E}}\ddot{\text{a}}\ddot{\text{a}}\ddot{\text{a}}$ $\frac{1}{2}\ddot{\text{a}}\ddot{\text{a}}\ddot{\text{a}}$ $\ddot{\text{A}}\ddot{\text{a}}\ddot{\text{a}}\ddot{\text{a}}$ $\frac{1}{2}\ddot{\text{a}}\ddot{\text{a}}\ddot{\text{a}}\ddot{\text{e}}$ (SHRI
PARSHOTTAM RUPALA)

(a): Yes, Madam. The Government has established four Farm Machinery Training & Testing Institutes in the country as under:

- 1) Central Farm Machinery Training & Testing Institute, Budni, District – Sehore (Madhya Pradesh)
- 2) Northern Region Farm Machinery Training & Testing Institute, Hisar (Haryana)
- 3) Southern Region Farm Machinery Training & Testing Institute, Garladinne, District - Anantapur (Andhra Pradesh)
- 4) North Eastern Region Farm Machinery Training & Testing Institute, Biswanath Chariali, District –Sonitpur (Assam).

(b): The proposals received from the Government of Gujarat, Maharashtra and Uttar Pradesh for establishment of Farm Machinery Training & Testing Institutes are under consideration in the Department of Agriculture, Cooperation & Farmers Welfare and the action will be completed within next six months.

(c): Development of farm technologies is an ongoing activity. Central Institute of Agricultural Engineering, Bhopal & its regional centres under Indian Council of Agricultural Research (ICAR) are working for development of agricultural machines and equipment to cater to the requirement of various crops, commodities, agro-climatic regions and socio economic conditions of farmers. The list of farm implements developed for diversification of agricultural crops during the last three years and current year is attached as Annexure-I.

Financial assistance to the farmers for purchase of such equipments and machinery including the latest imported tools and equipment is provided under various schemes of the Department of Agriculture, Cooperation & Farmers Welfare viz. Sub-Mission on Agricultural Mechanization (SMAM), National Food Security Mission (NFSM), Mission for Integrated Development of Horticulture (MIDH), Rashtriya Krishi Vikas Yojana (RKVY) and National Mission on Oilseeds and Oil Palm (NMOOP).

(d): Farmers' awareness programmes like Kisan Vani & Krishi Darshan are run through All India Radio/Doordarshan & also from all public & prominent Private TV channels. In addition to this, various print advertisements for the same purpose are published from time to time for the awareness of farmers. Farmer's awareness campaigns are done by various agencies mostly at the State level through diversified sources. Therefore, the exact countrywide data on the number of awareness campaigns, funds allocated/utilized and number of farmers benefitted from such campaigns is not maintained in the Department of Agriculture, Cooperation & Farmers Welfare.

(e): The steps taken for dissemination of information on appropriate technologies to the farmers across the country include setting up of Krishi Vigyan Kendras (KVKs) and Agricultural Technology Management Agencies (ATMAs) at district level. In addition the farmers are provided information through focused Publicity Campaigns, Kisan Call Centres (KCCs), Agri-Clinics and Agri-Business Centres (ACABC) of entrepreneurs, Agri Fairs and exhibitions, Kisan SMS Portal, DD Kisan TV Channel and Community Radio Stations. The Farm Machinery Training & Testing Institutes organize various training programmes on selection, operation, repair & maintenance of agricultural machines & equipments. Demonstrations of the modern agricultural machinery & equipment are also undertaken on farmer's fields. Farmers can also seek advice from Kisan Call Centre on Toll free No. 1800-180-1551.

Annexure-I

Brief details of new farm implements developed by Indian Council of Agricultural Research (ICAR) for diversification of agricultural crops during the last three years and current year

Sl. No.	Technology
1.	GPS Based Variable Rate Granular Fertilizer Applicator for Basal Dose Application
2.	Controller based seed-cum-fertilizer drill
3.	Pre-emergence herbicide applicator as an attachment to inclined plate planter
4.	Self-propelled multipurpose hydraulic system for orchard management
5.	Arecanut sheath size reduction machine
6.	Seed-cum-ferti drill with two stage fertilizer placement system
7.	Multi millet thresher
8.	Rotary Assisted broad bed former-cum-seeder
9.	Spreader-cum-seed-ferti drill for two stage differential depth placement of fertilizer
10.	Planting system for small seeds and mechanization package for production of kodo and little millet
11.	Spectral reflectance based prototype of variable rate urea application system for top dressing in rice and wheat crops
12.	Improved system for harvesting Makhana
13.	Millet flaking machine
14.	Machine for rope making from outer sheath of banana pseudo stem
15.	Tractor front mounted hydraulic operated single row sorghum harvester
16.	Manually-guided power weeder
	Technology related to natural resins, gums and lac
1.	Small scale lac processing unit (capacity – 100 kg/day) for primary processing of lac at village level
2.	The tools and technique developed for gum <i>arabic</i> , <i>guggul</i> , gum <i>karaya</i> tapping from selected tree species is gender – friendly and may be considered for reducing drudgery of women farmers
3.	Freshening tools for enhancing resin yield from chir pine through bore hole technique.
4.	Solar dryer developed for drying gum <i>karaya</i> at community level which may be useful for women farmer and landless labour for better economic benefits.
5.	An integrated small scale lac processing unit (ISSLPU) developed integrate the unit operations involved in primary processing of lac for manufacturing seedlac from sticklac and to reduce labour requirement, drudgery involved in primary processing of lac.
	Post-harvest/ processing technologies
1.	Method of predicting maturity stage and eating quality of mango
2.	Autoclavable microencapsulation system with multistage breakup two fluid nozzle for clean production of microcapsules
3.	Litchi Fruit Peeling Machine
4.	Automatic machine for scooping out the pulp from custard apple fruits
5.	Design of Guar dehulling machine for guar gum split production
6.	Technology for Tomato Processing
7.	Breads and Biscuits from Black Rice
8.	Ginger Processing technology
9.	Air powered sausage filler
10.	Mechanized system for popping and decortications of makhana seeds
11.	Ohmic heating system for thermal treatment of food products of non flowable nature
12.	An innovative Poultry Processing table
13.	Animal feed from potato /potato waste
14.	Beetroot Powder making technology
15.	Process for preparation of alcoholic beverage with nutraceutical properties from Kinnow peels
16.	Cryogenic spice grinding system
17.	Low fat meat emulsion and process for making the same

18.	Potato peeler cum washer
19.	Battery operated live fish carrier
